

ABSTRACT

~~The present invention is directed to an~~ An audio signal reproducing system ~~comprising is provided, including~~ a speaker system ~~including~~ having at least two drive units or more which are divided or separated by frequency band. In this system $[(1)]$, a signal processing unit $[(3)]$ serves to add inverse characteristic to an inputted digital audio signal as correction characteristic of impulse response of speaker system $[(7)]$. Thereafter, a D/A converter converts the digital audio signal thus obtained back into an analog signal. A power amplifier $[(5)]$ amplifies the analog signal thus obtained to deliver the analog signal thus amplified to the speaker system $[(7)]$. The speaker system $[(7)]$ outputs a signal at low frequency band that a LPF $[(8)]$ has passed as sound wave of low pitched sound from drive surface $[(9a)]$ of a low frequency drive unit $[(9)]$, and outputs a signal at high frequency band that a HPF $[(10)]$ has passed as sound wave of high pitched sound from drive surface $[(11a)]$ of a high frequency drive unit $[(11)]$.